

INTERNATIONAL SEARCH REPORT

Int onal Application No
PCT/JP2004/010871

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A01C1/06 C08F226/02 C08K3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A01C C08F C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | EP 0 473 881 A (SHOWA DENKO KK) 11 March 1992 (1992-03-11) cited in the application | 1-10 |
| Y | page 24, line 6 - line 50 | 1-10 |
| Y | US 5 849 320 A (CHEN YUGU ANG ET AL) 15 December 1998 (1998-12-15) column 6, line 16 - line 43 | 1-10 |
| A | EP 1 078 563 A (NAT STARCH CHEM INVEST) 28 February 2001 (2001-02-28) example 9 | 1-10 |
| A | WO 85/01736 A (AGRISORB PTY LTD) 25 April 1985 (1985-04-25) page 5, line 10 - line 21 | 1-10 |
| | -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

21 October 2004

Date of mailing of the international search report

04/11/2004

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|---|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | <p> DATABASE WPI Derwent Publications Ltd., London, GB; AN 1982-53048e XP002301885 & JP 57 079802 A (NIPPON SYNTHETIC CHEM IND) 19 May 1982 (1982-05-19) cited in the application abstract ----- </p> | 1-10 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/010871

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| EP 0473881 | A | 11-03-1992 | DE 69132801 D1 | 13-12-2001 |
| | | | DE 69132801 T2 | 22-08-2002 |
| | | | EP 0473881 A1 | 11-03-1992 |
| | | | JP 2947637 B2 | 13-09-1999 |
| | | | JP 4230250 A | 19-08-1992 |
| | | | US 5300606 A | 05-04-1994 |
| | | | US 5407996 A | 18-04-1995 |
| US 5849320 | A | 15-12-1998 | US 2002177526 A1 | 28-11-2002 |
| | | | US 5876739 A | 02-03-1999 |
| EP 1078563 | A | 28-02-2001 | US 6329319 B1 | 11-12-2001 |
| | | | BR 0004893 A | 19-06-2001 |
| | | | CN 1291432 A | 18-04-2001 |
| | | | EP 1078563 A1 | 28-02-2001 |
| | | | JP 2001120012 A | 08-05-2001 |
| WO 8501736 | A | 25-04-1985 | AU 554911 B2 | 04-09-1986 |
| | | | AU 3553484 A | 07-05-1985 |
| | | | WO 8501736 A1 | 25-04-1985 |
| | | | EP 0159344 A1 | 30-10-1985 |
| JP 57079802 | A | 19-05-1982 | NONE | |